BILL OF QUANTIES (BOQ) for Package-2, (P-3120) includes 7 works (Estimated cost Rs.200.00 lakhs)

(Package consists of 7 works) Improvements to Roads, Drains and Footpath at 4th and 5th Cross Jai Hanuman Layout 6th Cross between 2nd and 3rd Block HMT Layout, 9th Main 2nd Block HMT Layout, Ganesha Temple Road, Munisamappa Layout, 5th Cross, 2nd Block HMT Layout, Hopcoms to Somanna Garden Road of HMT Layout, Sapthagiri Layout Cross Roads and Somanna Garden 3rd Cross in Ward No. 09, Vidyaranyapura.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	895.27	Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary** soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	Cum	199.36	Rupees One Hundred Ninety Nine and Thirty Six Paise Only
2	81.59	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	5159.02	Rupees Five Thousand One Hundred Fifty Nine and Two Paise Only
3	1648.20	Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm	310.58	Rupees Three Hundred Ten and Fifty Eight Paise Only
4	2924.10	Removing and refixing stone slabs of drains and pointing in CM (1:3) etc complete as per specifications and directions of engineer in charge of the work	Sqm	80.56	Rupees Eighty and Fifty Six Paise Only
5	731.03	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	665.68	Rupees Six Hundred Sixty Five and Sixty Eight Paise Only
6	1297.60	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	880.86	Rupees Eight Hundred Eighty and Eighty Six Paise Only

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	Quantity	Description	Unit	Rates	
				In Figures	In Words
	435.20	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	993.22	Rupees Nine Hundred Ninety Three and Twenty Two Paise Only
8	181.12	Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	5767.46	Rupees Five Thousand Seven Hundred Sixty Seven and Forty Six Paise Only
9	204.46	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) etc complete as per specifications and directions of engineer in charge of the work	Cum	6231.74	Rupees Six Thousand Two Hundred Thirty One and Seventy Four Paise Only
10	12.55	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500** etc complete as per specifications and directions of engineer in charge of the work	Tonne	64243.42	Rupees Sixty Four Thousand Two Hundred Forty Three and Forty Two Paise Only
11	65.70	Providing **precast slab of 250 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge	Sqm	5125.00	Rupees Five Thousand One Hundred Twenty Five Only
12	2276.82	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge	Sqm	1820.56	Rupees One Thousand Eight Hundred Twenty and Fifty Six Paise Only
13	5810.00	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc complete as per specifications and directions of engineer in charge of the work	No	331.78	Rupees Three Hundred Thirty One and Seventy Eight Paise Only

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	Quantity.	Description	Unit	Rates	
				In Figures	In Words
14	1176.30	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work	Sqm	27.56	Rupees Twenty Seven and Fifty Six Paise Only
15	1176.30	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work	Sqm	69.96	Rupees Sixty Nine and Ninety Six Paise Only
16	4958.50	Scarifying kankar / gravel / metal crust upto 150mm thick with pick axes and disposal of stuff including cost of all labour charges etc complete as per specifications and directions of engineer in charge of the work	Sqm	26.50	Rupees Twenty Six and Fifty Paise Only
17	1360.22	Wet Mix Macadam - Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete as per specifications and directions of engineer in charge of the work	Cum	1768.08	Rupees One Thousand Seven Hundred Sixty Eight and Eight Paise Only
18	7264.00	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means etc complete as per specifications and directions of engineer in charge of the work	Sqm	27.56	Rupees Twenty Seven and Fifty Six Paise Only
19	290.56	Providing and laying **bituminous concrete 40 mm thick** with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen etc complete as per specifications and directions of engineer in charge of the work	cum	7083.98	Rupees Seven Thousand Eighty Three and Ninety Eight Paise Only

Assistant Executive Engineer
Vidyaranyapura sub Division

Assistant Engineer
Ward no. 09

Chief Engineer
Yelahanka Zone

Executive Engineer

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